

EXPLORING VISIBLE LIGHT

Katie Price

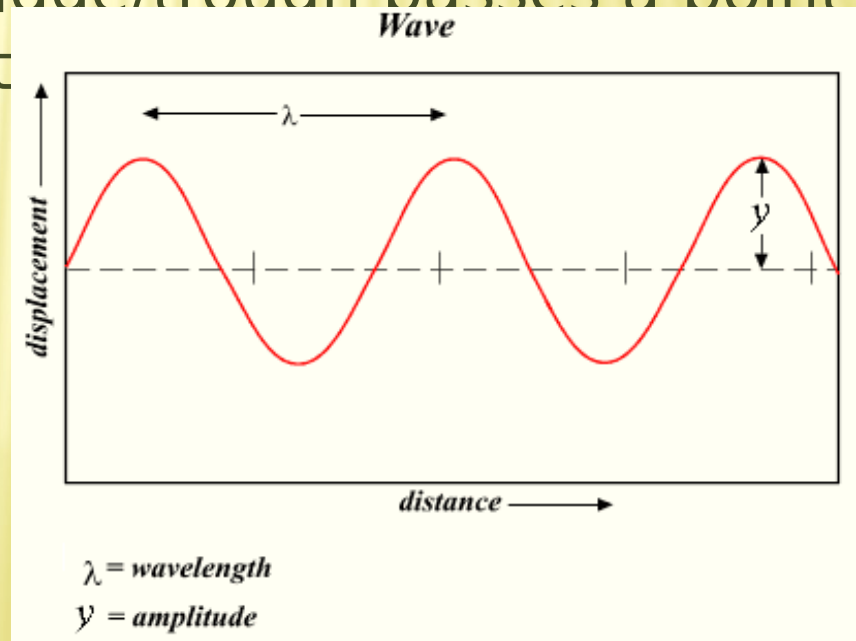
LIGHT IS MADE OF WAVES.

- Wavelength

- Distance between ridge & ridge or trough & trough

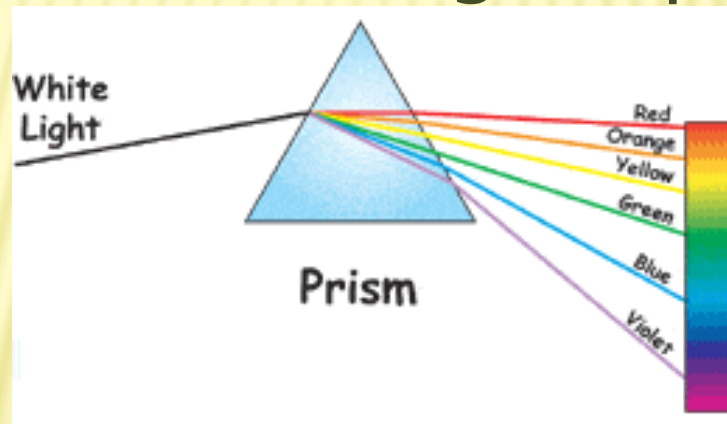
- Frequency

- How many times a ridge/trough passes a point



WHITE LIGHT IS NOT HOW IT SEEMS...

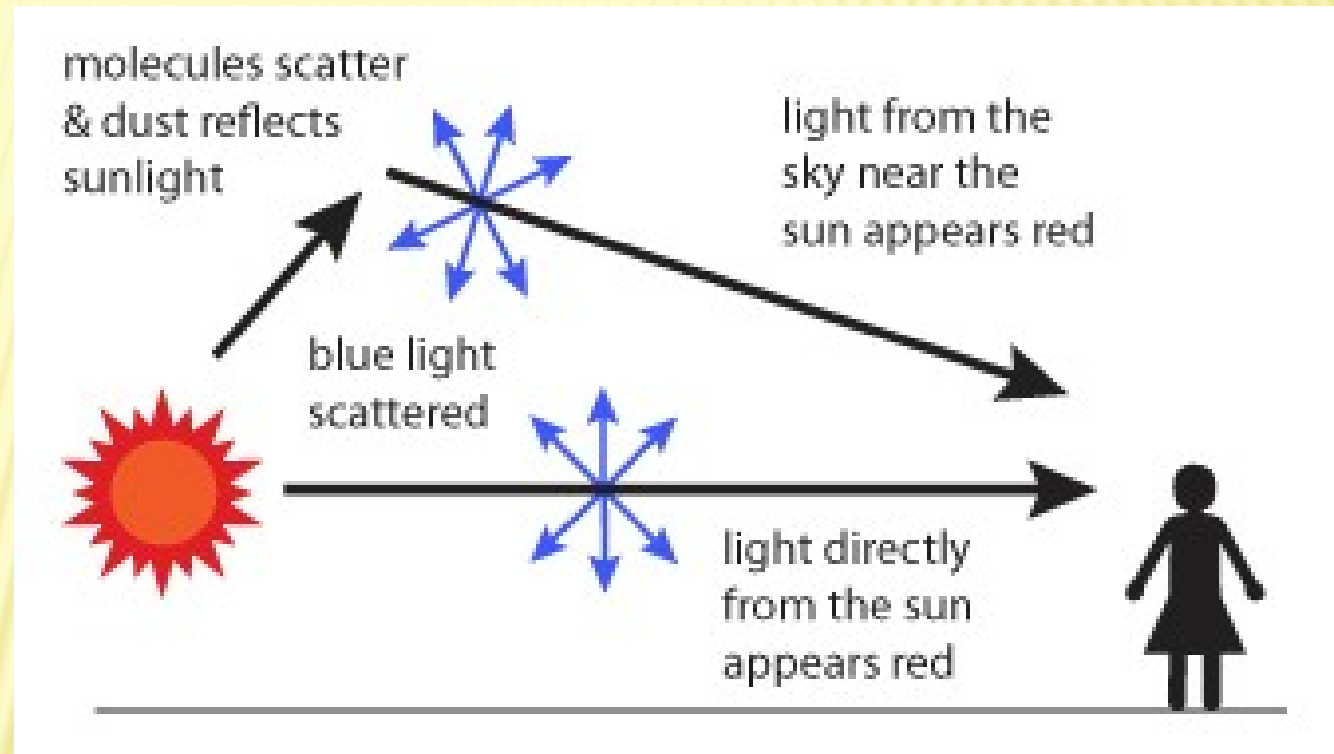
- White light is actually made of all the colors of the rainbow (ROYGBIV)
- These colors can be seen when white light is shown through a prism



- But not all the colors are equal....

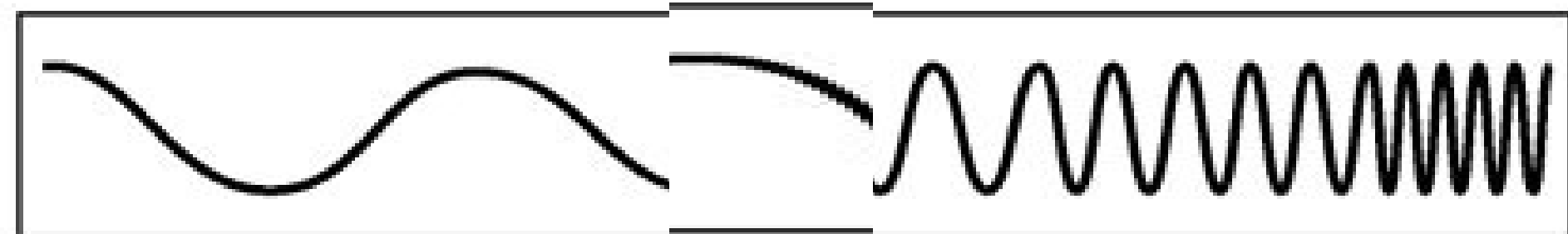
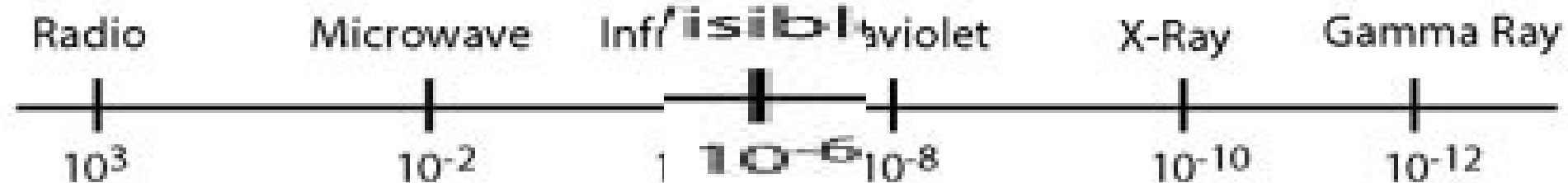
WHAT IS HAPPENING WITH THE SKY?

- Blue Sky
- Red Sky

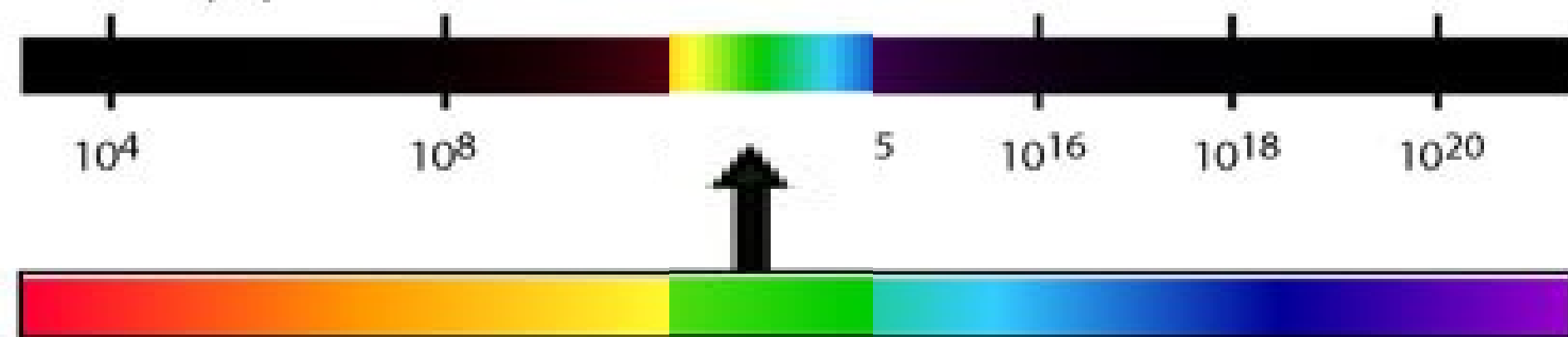


THE ELECTROMAGNETIC SPECTRUM

Wavelength
(metres)



Frequency
(Hz)



CAREER CONNECTION

- ▯ Environmental Engineer
- ▯ Chemical Technician
- ▯ Occupational Health and Safety Specialist